



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT

APPLICANT: Karin Järverud CONFIRMATION NO.: 8711

SERIAL NO.: 10/620,199 GROUP ART UNIT: 3762

FILED: July 14, 2003

TITLE: "MONITOR FOR EARLY DETECTION OF ISCHEMIC HEART DISEASE"

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

S I R:

In accordance with the provisions of 37 C.F.R. § 1.56, Applicant requests that citation and examination of the following documents be made during the course of examination of the above-referenced application for United States Letters Patent.

- AA United States Patent No. 6,473,640
- AB United States Patent No. 5,282,840
- AL PCT Application WO 02/43587
- AM European Application 1 238 630
- AN European Application 0 615 770
- AO European Application 0 607 511
- AT "Usefulness of the Impedance Cardiogram to Reflect Left Ventricular Diastolic Function," Pickett et al. The American Journal of Cardiology, Vol. 71, May 1, 1993, pgs 1099-1103
- AU "Analysis Of The O-Wave In Acute Right Ventricular Apex Impedance Measurements With A Standard Pacing In Animals," Järverud et al., Med. Biol. Eng. Comput. 2002, Vol. 40, pgs 512-519

AV "The Minnesota Impedance Cardiograph - Theory and Applications," Kubicek et al., Biomedical Engineering, September 1974, pgs 410-416

AW United States Patent Application Publication No. 2002/0002389

#### **EXPLANATION OF RELEVANCE**

References AL and AT were identified and discussed in the present specification, and Applicant stands by the statements in the specification concerning the teachings of those references.

References AA, AL, AM, AN, AO and AU were cited in a Search Report rendered by the Swedish Patent Office during examination of the counterpart Swedish application.

References AB, AL, AO, AT, AV and AW were cited in a Search Report rendered by the European Patent Office during examination of the counterpart European application.

Copies of the Swedish Search Report and the European Search Report are submitted herewith.

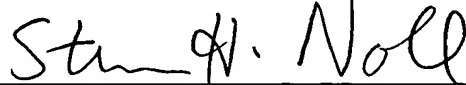
Since all of these references are in English, no further commentary concerning their teachings is necessary.

Copies of each of the above references together with Form 1449 are submitted herewith.

As of the date of mailing of this Information Disclosure Statement, a first Office Action on the merits has not been received in connection with this application, and therefore, this Information Disclosure Statement is in compliance with 37 C.F.R. §1.97(b)(3), and no fee is necessary.

All claims of the application are submitted to be patentable over the teachings of the above references, taken singly or in combination. Early consideration of the application is therefore respectfully requested.

Submitted by,



(Reg. 28,982)

SCHIFF, HARDIN & WAITE

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Patent Department

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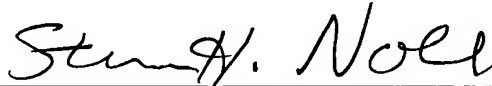
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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on December 4, 2003.



STEVEN H. NOLL

Form PTO-1449

Docket No.

Serial No.

P03,0232

10/620,199

## INFORMATION DISCLOSURE CITATION

IN AN APPLICATION

(use several sheets if necessary)

Applicant

Karin Järverud

Filing Date

July 14, 2003

Group Art Unit

3762

## U.S. PATENT DOCUMENTS

Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If appropriate
	AA	6,473,640	10/29/2002	Erlebacher			
	AB	5,282,840	02/01/94	Hudrik			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AL	WO 02/43587	06/06/2002	PCT				
	AM	1 238 630	09/11/2002	Europe				
	AN	0 615 770	09/21/94	Europe				
	AO	0 607 511	07/27/94	Europe				
	AP							
	AQ							
	AR							
	AS							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AT	"Usefulness of the Impedance Cardiogram to Reflect Left Ventricular Diastolic Function," Pickett et al. The American Journal of Cardiology, Vol. 71, May 1, 1993, pgs 1099-1103
AU	"Analysis Of The O-Wave In Acute Right Ventricular Apex Impedance Measurements With A Standard Pacing In Animals," Järverud et al., Med. Biol. Eng. Comput. 2002, Vol. 40, pgs 512-519
AV	"The Minnesota Impedance Cardiograph - Theory and Applications," Kubicek et al., Biomedical Engineering, September 1974, pgs 410-416
AW	United States Patent Application Publication No. 2002/0002389

Examiner

Date Considered

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.